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DATE OF BIRTH: June 30, 1956.

NATIONALITY: Indian

RESEARCH INTERESTS: Development, Inequality, Contract and Organization Theory

TEACHING INTERESTS: Development, Microeconomics.

EDUCATION: Ph.D. (Economics), London School of Economics, 1982.

M.Sc.(Econometrics and Mathematical Economics), London
School of Economics, 1980.

M.A. (Economics), Delhi School of Economics, 1978.

B.A. (Economics), Presidency College, Calcutta, 1975.

PROFESSIONAL EXPERIENCE:

1995-present	Professor of Economics, Boston University.
1989-1996	Professor, Planning Unit, Indian Statistical Institute, New Delhi.
1982-89	Associate Professor (1986-89), Assistant Professor (1982-86) Graduate School of Business, Stanford University.

OTHER APPOINTMENTS:

2002--2004	Bhabatosh Dutta Visiting Professor, Centre for Studies in Social Science, Calcutta
2002- 2004	Member, Academic Advisory Panel, Fiscal Affairs Department, IMF
1998-	Director, Institute of Economic Development, Boston University
1995-	Member, MacArthur Foundation Research Network on Inequality
1992-93	Fellow, National Institute of Public Finance and Policy, New Delhi and Consultant to the Tax Reforms Committee, Government of India
Summer 1988	Visiting Professor, People's University, Beijing

AWARDS AND GRANTS:

National Science Foundation Grants 1988-91, 1992-95, 1997-99,
2000-2002, 2004-06, 2006--09.
Guggenheim Fellow 2001-2002
Mahalanobis Memorial Award, Indian Econometric Society, 1998
Ely Devons Prize, London School of Economics, 1980.
Hiralal Bhargava Gold Medal, Delhi University, 1978.
Inlaks Scholarship, London School of Economics, 1978-81.
Suntory Toyota Fellowship, London School of Economics, 1981-82.

EDITORIAL RESPONSIBILITIES: Co-Editor *Journal of Development Economics*; Associate Editor
Rand Journal of Economics, *BE Journal of Theoretical Economics*, *German Economic Review*

BOOKS

Market Institutions, Governance and Development: Collected Essays, Oxford University Press, New Delhi, 2006.

(Co-Editor) *Decentralization and Local Governance in Developing Countries: A Comparative Perspective*, MIT Press, 2006.

(Co-Editor) *Understanding Poverty*, Oxford University Press, New York, 2006.

The Crisis in Government Accountability: Governance Reforms and Indian Economic Performance, Oxford University Press, New Delhi, 2004.

(Co-Editor) *Readings in the Theory of Economic Development*, Blackwell, 2000.

Incentives and Institutional Reform in Tax Enforcement: An Analysis of Developing Country Experience, with Arindam Das-Gupta, Oxford University Press, New Delhi, 1998. Paperback edition, 2000.

(Editor) *Indian Industry: Policies and Performance*, Oxford University Press, New Delhi, 1995.

(Co-Editor) *D. School: Reflections on the Delhi School of Economics*, Oxford University Press, New Delhi, 1995

(Co-Editor) *Theoretical Issues in Development Economics*, Oxford University Press, New Delhi, 1992

(Co-Editor) *Selected Issues in Game Theory and Economic Applications*, Springer-Verlag, 1992.

(Co-Editor) *Economic Theory and Policy: Essays in Honour of Dipak Banerjee*, Oxford University Press, New Delhi, 1990.

ONGOING RESEARCH PROJECTS

- `Land Reforms and Local Governance in West Bengal,' with Pranab Bardhan
- `Poverty, Collective Action and Forest Degradation in Northern India and Nepal,' with Jean-Marie Baland, Pranab Bardhan, Sanghamitra Das and Rinki Sarkar
- `Theories of Inequality and Development,' with Debraj Ray, Stefan Napel, Marcello d'Amato
- `Hierarchies, Delegation and Intermediation', with Masatoshi Tsumagari
- `Effects of Liability Rules in Credit Contracts,' with Ulf Lillienfeld

RECENT WORKING PAPERS

- `Managing the Environmental Consequences of Growth: Forest Degradation in the Indian mid-Himalayas,' with Jean-Marie Baland, Pranab Bardhan, Sanghamitra Das and Rinki Sarkar, revised, December 2006.
- `Land Reforms, Decentralized Governance and Rural Development in West Bengal,' with Pranab Bardhan, revised January 2007.
- `Impact of Reservations of Panchayat Pradhans on Targeting in West Bengal,' with Pranab Bardhan and Monica Parra Torrado, November 2005.
- `Mechanism Design with Costly Communication,' with Masatoshi Tsumagari, revised January 2007.
- `Personal Bankruptcy Law, Bonded Labor and Inequality,' with Ulf von Lilienfeld-Toal, September 2005.
- `Norms and Communitarianism: Game Theory Meets Gemeinschaft,' with Jonathan Bendor, revised August 2006.
- `Occupational Diversity and Endogenous Inequality,' with Debraj Ray, revised June 2006.
- `Political Economy of Land Reform in West Bengal 1978-98,' with Pranab Bardhan, revised April 2006.
- `Ownership Form and Contractual Inefficiency: Comparing Performance of Cooperatives and Private Factories in the Indian Sugar Industry,' with Sanghamitra Das, revised August 2006.
- `Environmental Impact of Poverty: Evidence From Firewood Collection in Rural Nepal,' July 2003, with Jean-Marie Baland, Pranab Bardhan, Sanghamitra Das and Rinki Sarkar.

‘Relative Capture of Local and Central Governments: An Essay in the Political Economy of Decentralization’, with Pranab Bardhan, November 1999.

‘Contractual Constraints on Firm Performance in Developing Countries,’ July 1999.

PUBLICATIONS IN REFEREED JOURNALS

Development, Inequality, Political Economy, Law Enforcement

‘Intergenerational Mobility and Macroeconomic History Dependence,’ with Stefan Napel, *Journal of Economic Theory*, forthcoming.

‘Satisficing and Selection in Electoral Competition,’ with Jonathan Bendor and Debraj Ray, *Quarterly Journal of Political Science*, 1(2), 2006, 171-200.

‘Pro-Poor Targeting and Accountability of Local Governments in West Bengal,’ with Pranab Bardhan, *Journal of Development Economics*, 79(2006), 303—327.

Corruption and Decentralization of Infrastructure Delivery in Developing Countries,’ with Pranab Bardhan, *Economic Journal*, 116(January 2006), 107--133.

‘Decentralizing Anti-Poverty Program Delivery in Developing Countries,’ with Pranab Bardhan, *Journal of Public Economics*, 89, 2005, 675--704.

‘Tax Administration Reform and Taxpayer Compliance in India’, with Arindam Das-Gupta and Shanto Ghosh, *International Tax and Public Finance*, 2004, 11, 575--600.

‘Distributive Impact of Privatization in Latin America: An Overview of Evidence from Four Countries,’ with David McKenzie, *Economia*, 3(2), Spring 2003, 161—218.

‘Fiscal Corruption: A Vice or a Virtue? --- A Comment’, with S.K. Chand and K.O. Moene, *World Development*, 31(8), August 2003, 1469-1472.

‘Persistent Inequality’, with Debraj Ray, *Review of Economic Studies*, 70(2), April 2003, 369-394.

‘Contractual Structure and Wealth Accumulation,’ with Debraj Ray, *American Economic Review*, September 2002, 818—849.

‘Is Equality Stable?’ with Debraj Ray, *American Economic Review*, May 2002, 253--259.

‘Inequality, Control Rights and Rent-Seeking: Sugar Cooperatives in Maharashtra,’ with Abhijit Banerjee, Kaivan Munshi and Debraj Ray, *Journal of Political Economy*, February 2001, 109(1), 138-190.

‘Capture and Governance at Local and National Levels,’ with Pranab Bardhan, *American Economic Review*, May 2000, 135-139.

- `Wealth Effects, Incentives and Productivity,' *Review of Development Economics*, 1(1), 1997, 116-133.
- `Tax Amnesties as Asset Laundering Devices,' with Arindam Das-Gupta, *Journal of Law, Economics and Organization*, 12(2), 1996, 408-431.
- `Corruptible Law Enforcers: How Should They Be Compensated?' with Ivan Png, *Economic Journal*, January 1995, vol. 105, 145-159. Reprinted in *The Economics of Corruption and Illegal Markets, Vol II*, G. Fiorentini and S. Zamagini (Ed.), Edward Elgar, 1999.
- `Income Tax Compliance in India: An Empirical Analysis,' with Arindam Das-Gupta and Radhika Lahiri, *World Development*, 23(12), 1995, 2051-2064.
- `Marginal Deterrence in Law Enforcement,' with Ivan Png, *Journal of Political Economy*, October 1995, vol. 102(5), 1039-1066.
- `Productivity, Contracting Mode and Development,' with Hadi Esfahani, *Journal of Development Economics*, vol. 46, 1995, 203-231.
- `Monitoring versus Investigation in Law Enforcement,' with Ivan Png, *American Economic Review*, June 1992, 82, 556-565.
- `Enforcement Costs and the Optimal Progressivity of Income Taxes,' with Ivan Png, *Journal of Law, Economics and Organization*, 1990, 6, 411-431.
- `Norms, Third Party Sanctions and Cooperation,' with Jonathan Bendor, *Journal of Law, Economics and Organization*, 6, 1990, 33-63.
- `Optimal Auditing, Insurance and Redistribution,' with Ivan Png, *Quarterly Journal of Economics*, 1989, 102, 399-415.
- `Delegation as Commitment: The Case of Income Tax Audits,' with Nahum Melumad, *Rand Journal of Economics*, 20, 1989, 139-163.
- `Institutional Structure and the Logic of Ongoing Collective Action,' with Jonathan Bendor, *American Political Science Review*, 81, 1987, 129-155.
- `Comparing Centralized and Decentralized Institutions: A Reply to Schwartz and Tomz,' *American Political Science Review*, 92(3), 1998, 695-697.
- `Shadow Pricing with Suboptimal Policy Rules,' *Journal of Public Economics*, 31, 1986, 287-305.
- `A Decomposition Analysis of the Trend in UK Income Inequality,' with A. Shorrocks, *Economic Journal*, 92, 1982, 886-902.

Contract and Organization Theory

- ‘Decentralization, Hierarchies and Incentives: A Mechanism Design Perspective,’ *Journal of Economic Literature*, June 2006, XLIV(2), 367—390.
- ‘The Organization of Supplier Networks: Effects of Delegation and Intermediation,’ with Masatoshi Tsumagari, *Econometrica*, July 2004, 72(4), 1179--1220.
- ‘Incentives and Coordination in Hierarchies,’ with Stefan Reichelstein, *Advances in Theoretical Economics*, vol 1, no. 1, Article 4, <http://www.bepress.com/bejte/advances/vol1/iss1/art4>.
- ‘Competition and Incentives with Nonexclusive Contracts,’ with Charles Kahn, *Rand Journal of Economics*, Autumn 1998, 29(3), 443-465.
- ‘Contract Complexity, Information Processing and the Value of Delegation,’ with Nahum Melumad and Stefan Reichelstein, *Journal of Economics and Management Strategy*, 6(2), 1997, 257-289.
- ‘Budgeting and Hierarchical Control’, with Stefan Reichelstein, *Journal of Accounting Research*, 35(2), Autumn 1997, 129-155.
- ‘Hierarchical Decentralization of Incentive Contracts,’ with Nahum Melumad and Stefan Reichelstein, *Rand Journal of Economics*, Winter 1995.
- ‘A Theory of Responsibility Centers,’ with Nahum Melumad and Stefan Reichelstein, *Journal of Accounting and Economics*, 1992, 15, 445-484.
- ‘The Revelation Approach to Nash Implementation,’ with Stefan Reichelstein, *Economics Letters*, 1992, 39, 309-313.
- ‘Dominant Strategy Implementation of Bayesian Incentive Compatible Allocation Rules,’ with Stefan Reichelstein, *Journal of Economic Theory*, 1992, 56, 378-399.
- ‘Implementation via Augmented Revelation Mechanisms,’ with Stefan Reichelstein, *Review of Economic Studies*, 1990, 57, 453-475.
- ‘Incentives, Compensation and Social Welfare,’ with Margaret Meyer, *Review of Economic Studies*, 54, 1987, 209-226.
- ‘Optimal Incentive Schemes with Many Agents,’ *Review of Economic Studies*, 51, 1984, 433-446.

Industrial Organization

- ‘Collusive Market Structure with Learning By Doing and Increasing Returns,’ with Debraj Ray, *Review of Economic Studies*, 1991, 58 993-1009.

- `On the Competitive Pressure Created by the Diffusion of Innovations, with Debraj Ray, *Journal of Economic Theory*, 1991, 54, 124-147.
- `Portfolio Choice in R&D,' with Sudipto Bhattacharya, *Rand Journal of Economics*, 17, 1986, 594-605.

Game Theory

- `Reinforcement Learning in Repeated Interaction Games,' with Jonathan Bendor and Debraj Ray, *Advances in Theoretical Economics*. vol 1, no. 1, Article 3, <http://www.bepress.com/bejte/advances/vol1/iss1/art3>, 2001.
- `Aspiration-Based Reinforcement Learning in Repeated Games: An Overview,' with Jonathan Bendor and Debraj Ray, *International Game Theory Review*, Vol. 3, Nos. 2 & 3 (2001) 159-174.
- `Evolving Aspirations and Cooperation,' with R. Karandikar, D. Ray and F. Vega-Redondo, *Journal of Economic Theory*, 1998, 80, 292-331.
- `Learning and Decision Costs in Constant Sum Experimental Games,' with Barry Sopher, *Games and Economic Behavior*, 19, 1997, 97-132.
- `Learning Behavior in an Experimental Matching Pennies Game,' with Barry Sopher, *Games and Economic Behavior*, 1994.
- `The Good, the Bad and the Ugly: Coalition Proof Equilibrium in Infinite Games,' with Charles Kahn, *Games and Economic Behavior*, 1992.
- `Counterintuitive Results in Simultaneous Move Incomplete Information Games: Some Examples,' *International Economic Review*, 26, 1985 655-659.

Markets with Imperfect Information and Microfoundations of Macroeconomics

- `Market Failure and Moral Hazard with Side Trading,' with Charles Kahn, *Journal of Public Economics*, 1995, 58, 159-184.
- `Coalition Proof Equilibrium of an Adverse Selection Insurance Economy', with Charles Kahn, *Journal of Economic Theory*, vol. 66, 1995, 113-38.
- `A Competitive Efficiency Wage Model with Keynesian Features,' with Charles Kahn, *Quarterly Journal of Economics*, 1988, 103, 609-645.
- `Involuntary Unemployment and Worker Self Selection,' *Journal of Economic Theory*, 45, 1988, 171-188.
- `Involuntary Unemployment and Worker Moral Hazard,' *Review of Economic Studies*, 53, 1986, 739-754.

ARTICLES IN NON-REFEREED JOURNALS, BOOKS AND CONFERENCE VOLUMES

- ‘Decentralization, Corruption and Government Accountability: An Overview,’ with Pranab Bardhan, in *‘Handbook of Economic Corruption’* edited by Susan Rose-Ackerman, Edward Elgar, 2006.
- ‘Is There Too Little Theory in Development Economics?’ *Economic and Political Weekly*, October 1 2005.
- ‘Poverty Persistence and Design of Anti-Poverty Policies,’ in *Understanding Poverty*, edited by Abhijit Banerjee, Roland Benabou and Dilip Mookherjee, Oxford University Press, New York, 2006.
- ‘The Rise of Local Governments: An Overview’ and ‘Decentralization in West Bengal: Origins, Functioning and Impact’, with Pranab Bardhan, in P. Bardhan and D. Mookherjee (edited), *Decentralization and Local Governance in Developing Countries: A Comparative Perspective*, MIT Press, 2006.
- ‘Inequality, Collective Action and the Environment: Evidence from Firewood Collection in Nepal,’ with Jean-Marie Baland, Pranab Bardhan, Sanghamitra Das and Rinki Sarkar, forthcoming in JM Baland, P. Bardhan and S. Bowles (Ed.) *Inequality, Collective Action and Environmental Sustainability*, Princeton University Press, forthcoming.
- ‘Poverty Alleviation Efforts of West Bengal Panchayats,’ with Pranab Bardhan, *Economic and Political Weekly*, February 28 2004.
- ‘Markets versus State: A Sterile Controversy?’ in *Markets and Governments*, Essays in Honour of Mrinal Datta Chaudhuri, edited by Kaushik Basu, Pulin Nayak and Ranjan Ray, Oxford University Press, 2003.
- ‘Strategy for Economic Reform in West Bengal,’ *Economic and Political Weekly*, October 12 2002, 4203-4218, with Abhijit Banerjee, Pranab Bardhan, Kaushik Basu, Mrinal Datta-Chaudhuri, Maitreesh Ghatak, Ashok Guha, Mukul Majumdar and Debraj Ray.
- ‘Reforming Indian Income Tax Enforcement,’ and ‘Tax Amnesties in India: An Empirical Evaluation,’ with Arindam Das-Gupta, in S. Kahkonen and A. Lanyi (Editors), *Institutions, Incentives and Economic Reforms in India*, Sage Publications: New Delhi, Thousand Oaks, London; 2000.
- ‘Industrial Organization Theory and Developing Countries,’ in Amiya Bagchi (Editor), *Economy and Organization: Indian Institutions Under the Neo-Liberal Regime*, Sage Publications: New Delhi, Thousand Oaks, London; 2000.
- ‘Incentive Reforms in Developing Country Bureaucracies: Lessons From Tax Administration,’ in *Annual Bank Conference in Development Economics 1997*, Boris Pleskovic and Joseph Stiglitz (Editors), the World Bank, Washington D.C.
- ‘Informational Rents and Property Rights in Land’, in *Property Relations, Incentives and Welfare*, edited by John Roemer, Macmillan Press (London) and St Martins Press (New York), 1997.
- ‘Economic Performance and Legal Institutions in India: An Introduction,’ *International Conference on Law and Economics*, Project LARGE, New Delhi, January 1996.

`Design and Enforcement of Income Taxes in India," with Arindam Das-Gupta, in *Public Finance: Policy Issues for India*, edited by Sudipto Mundle, Oxford University Press, New Delhi, 1997.

`The Economics of Information and Organization,' *Journal of Development Planning*, United Nations, New York, December 1993.

`Market Failure and Information,' in *Welfare Economics*, edited by Bhaskar Dutta, Oxford University Press, New Delhi, 1993.

`Dissection of a Bold Budget,' with Arindam Das-Gupta, in *Economic and Political Weekly*, Special Budget Issue, April 1993.

`Indian Economy at the Crossroads,' *Economic and Political Weekly*, Special Budget Issue, April 1992.

`Learning By Doing and Industrial Market Structure: An Overview,' with Debraj Ray, in *Theoretical Issues in Development Economics*, edited by Bhaskar Dutta and others, Oxford University Press, New Delhi, 1992.

`The Economics of Enforcement,' in *Issues in Economic Theory and Public Policy: Essays in Honour of Tapas Majumdar*, edited by A. Bose, M.K. Rakshit and A. Sinha, Oxford University Press, New Delhi, 1997.

`Rank Order Competition and Incentives: An Organizational Perspective, in *Economic Theory and Policy: Essays in Honour of Dipak Banerjee*, edited by Bhaskar Dutta and others, Oxford University Press, New Delhi, 1990.